

### WHAT IS CLAIMED IS:

1. An image forming apparatus, comprising:  
a storage configured to store an image data of a first format,  
a display configured to display an image based on an image data of a  
5 predetermined format, and  
a data format converter configured to convert the image data of the first  
format stored in the storage to the image data of the predetermined format when  
the image data in the first format stored in the storage is visually displayed on  
the display as an image.
- 10 2. An apparatus according to claim 1, wherein the storage is configured to  
store the image data in the first format selected from at least RGB, YMC, YCbCr,  
and YMCK formats.
3. An apparatus according to claim 2, wherein the data format converter is  
configured to be capable of converting the image data of the first format selected  
15 from at least YMC, YMCK and YCbCr formats to the image data of the  
predetermined format.
4. An apparatus according to claim 3, wherein the predetermined format is  
RGB format.
5. An apparatus according to claim 1, wherein the image data is stored with  
20 an image data format information in the storage, and the data format converter is  
configured to convert the image data of the first format to the image data of the  
predetermined format according to the image data format information.
6. An apparatus according to claim 5, wherein the predetermined format is  
RGB format.
- 25 7. An image forming apparatus according to claim 1, wherein the data  
format converter is configured to convert the image data of the first format stored  
in the storage to the image data of the predetermined format if the first format is  
different from the predetermined format when the image data in the first format  
stored in the storage is visually displayed on the display as an image.
- 30 8. An image forming apparatus according to claim 1, wherein the data  
format converter is configured to convert the image data of the first format stored  
in the storage to the image data of the predetermined format when the image  
data in the first format stored in the storage is visually displayed on the display  
as an image in accordance with a user request.

9. An image forming apparatus, comprising:  
a storage means for storing an image data of a first format with an image data format information,

5 a display means for displaying an image based on an image data of a predetermined format, and

a data format converter means for converting the image data of the first format stored in the storage means to the image data of the predetermined format according to the image data format information when the image data of the first format stored in the storage means is visually displayed on the display means as an image.

10 10. An image forming apparatus according to claim 9, wherein the data format converter means converts the image data of the first format stored in the storage to the image data of the predetermined format if the first format is different from the predetermined format when the image data in the first format stored in the storage is visually displayed on the display as an image.

11. A method for displaying an image based on an image data of various formats, wherein the image data in a first format is stored with an image data format information in a storage and an image is displayed on a display based on the image data of a predetermined format, comprising:

20 discriminating the first format of the image data based on the image data format information,

converting the image data of the first format to the image data of the predetermined format according to the result of the discrimination , and

25 visually displaying the image data of the predetermined format as an image.